

CHROMOSOME NUMBERS FOR WESTERN AND ARCTIC  
NORTH AMERICAN SPECIES OF  
*ANTENNARIA* (ASTERACEAE: GNAPHALIEAE)

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ABSTRACT

Chromosome numbers were determined from somatic material for 73 individuals of *Antennaria* Gaertn. (Asteraceae: Gnaphalieae) representing 10 species from western and arctic North America. These counts support, and represent the typically more frequent, previously reported chromosome number determination for the respective species and as such are presented without comment, though they do supplement our knowledge relative to chromosome number distributions for these species.

RESUMEN

Se contaron los números cromosómicos en material somático de 73 individuos de *Antennaria* Gaertn. (Asteraceae: Gnaphalieae) que representan a 10 especies del oeste y el ártico de Norte América. Estos recuentos apoyan, y representan el número típicamente más frecuente, previamente citado para la especie respectiva y como tales son presentados sin ningún comentario, aunque complementan nuestro conocimiento relativo a las distribuciones de números cromosómicos de estas especies.

The purpose of this paper is to supplement the chromosome literature for North American *Antennaria* with previously unpublished data. The methodology employed for chromosome number determination was previously described (Chinnappa & Chmielewski 1987). Voucher specimens remain in the possession of the author and duplicates are deposited in SLRO. The author collected all specimens and staminate specimens are designated with an asterisk (\*).

**Asteraceae**

***Antennaria densifolia*** Porsild.  $2n = 28$ . **YK:** Dempster Hwy., Engineer Creek, kilometer post 178, 65° 14.243' N and 138° 17.714' W, Ch3138, Ch3139\*; N of Tombstone Campground, kilometer post 201, 65° 23.900' N and 138° 16.411' W, Ch3140, Ch3141\*; approx. kilometer post 213, 65° 28' 100" N and 138° 12.312' W, Ch3142, Ch3143\*.

***Antennaria friesiana*** (Trautv.) Ekman ssp. **alaskana** (Malte) Hultén.  $2n = 28$ . **AK:** Steese Hwy., vicinity of milepost 108, Eagle Summit, 65° 29.515' N and 145° 23.314' W, Ch3098, Ch3099\*; 65° 30.367' N and 145° 22.704' W, Ch3100, Ch3101\*; Dalton Hwy., Finger Mtn., 66° 21.465' N and 150° 27.694' W, Ch3108, Ch3109\*.

Chandler's Shelf, approx. 63 mi N of Coldfoot, 68° 03.026' N and 149° 37.431' W, *Ch3115*, *Ch3116\**; Atigan Pass, 68° 08.225' N and 149° 26.654' W, *Ch3119*, *Ch3120\**.

**Antennaria friesiana** (Trautv.) Ekman ssp. **friesiana**.  $2n = 56$ . **AK**: Dalton Hwy, vicinity of Toolik Lake, 68° 38.411' N and 149° 30.815' W, *Ch3118*. **YK**: Top of the World Hwy., Boundary rest area, 64° 04.48' N and 140° 58.598' W. *Ch3132*.

**Antennaria howellii** Greene.  $2n = 84$ . **AB**: Yellowhead Hwy., W of Vermillion, 53° 20.188' N and 110° 57.004' W, *Ch3065*; BC: BC 2, E of Pink Mtn., milepost 140, 57° 01.454' N and 122° 26.738' W, *Ch3068*; E of the Yukon border, 59° 57.818' N and 127° 29.890' W, *Ch3073*. **MB**: Hwy 16, E of Neepawa, 50° 13.546' N and 99° 01.443' W, *Ch3053*. **ON**: Trans Canada Hwy., W of Spanish River, 46° 12.289' N and 82° 23.832' W, *Ch3048*; W of White River but E of Marathon, 48° 43.143' N and 85° 42.543' W, *Ch3049*; Kakabeka Falls, 48° 23.762' N and 89° 37.925' W, *Ch3050*, *Ch3051*. **SK**: Yellowhead Hwy., E of Sheho, 51° 34.483' N and 103° 11.392' W, *Ch3056*.

**Antennaria microphylla** Rydb.  $2n = 28$ . **AB**: Yellowhead Hwy, W of Vermillion, 53° 20.188' N and 110° 57.004' W, *Ch3063\**, *Ch3064*; **SK**: Yellowhead Hwy., W of Langham, 50° 57.243' N and 102° 03.873' W, *Ch3055*; E of Sheho, 51° 34.483' N and 103° 11.392' W, *Ch3058\**, *Ch3059\**; W of North Battleford, 53° 03.284' N and 109° 07.845' W, *Ch3061\**.

**Antennaria monocephala** DC.  $2n = 28$ . **AK**: Richardson Hwy., Thompson Pass, 61° 07.899' N and 145° 44.158' W, *Ch3079*, *Ch3080\**; Denali Hwy., rest area approx. 78 mi E of Cantwell, *Ch3090*, *Ch3091\**.

**Antennaria pallida** E. Nelson.  $2n = 56$ . **AK**: AK 3, borough of Mirror Lake, 63° 20.606' N and 149° 05.136' W, *Ch3085*; Denali Hwy, approx. 21 mi E of Cantwell, 63° 20.618' N and 148° 17.304' W, *Ch3086*; approx. 22 mi E of Cantwell, 63° 20.002' N and 148° 16.166' W, *Ch3088*; Denali Hwy., approx. 49 mi E of Cantwell, 63° 10.201' N and 147° 32.652' W, *Ch3089*; Denali Hwy., rest area approx. 78 mi E of Cantwell, *Ch3092*; Taylor Hwy., approx. 22 mi NE of Teslin Junction, 63° 36.781' N and 142° 21.103' W, *Ch3130*; **YK**: South Canol Road, approx. milepost 170, 61° 41.794' N and 133° 04.206' W, *Ch3147*.

**Antennaria parvifolia** Nutt.  $2n = 112$ . **AB**: Yellowhead Hwy., W of Vermillion, 53° 20.188' N and 110° 57.004' W, *Ch3062*. **SK**: Yellowhead Hwy., W of Langham, 50° 57.243' N and 102° 03.873' W, *Ch3054*; E of Sheho, 51-34-483°N and 103° 11.392' W, *Ch3057*; W of North Battleford, 53° 03.284' N and 109° 07.845' W, *Ch3060*.

**Antennaria pulcherrima** (Hook.) Greene.  $2n = 56$ . **AK**: Dalton Hwy., Coldfoot, 67° 15.047' N and 150° 10.580' W, *Ch3110*, *Ch3111\**. **BC**: Alaska Hwy., Muncho Lake, 59° 09.577' N and 125° 53.319' W, *Ch3070*.

**Antennaria rosea** Greene.  $2n = 56$ . **AB**: AB 43, W of Grande Prairie, 55° 10.240' N

and 119° 16.162' W, *Ch3066*. **AK:** Hwy 1, W of Glenallan, 62° 05.729' N and 146° 14.938' W, *Ch3082*; Seward Hwy., Turnagin Arm, S of Anchorage, 61° 00.387' N and 149° 41.577' W, *Ch3083*; Fairbanks, intersection of Boat St. and Sportsman Way, 64° 50.228' N and 147° 49.445' W, *Ch3096*; Elliott Hwy., S of Livengood, 65° 09.350' N and 147° 53.893' W, *Ch3104*; Dalton Hwy., Yukon River, 65° 52.764' N and 149° 42.890' W, *Ch3105*; N of Yukon River, 65° 57.88' N and 149° 58.931' W, *Ch3106*; Richardson Hwy., North Pole, 64° 45.031' N and 147° 19.524' W, *Ch3124*; Taylor Spur to Boundary, 64° 04.684' N and 141° 06.512' W, *Ch3131*. **BC:** Alaska Hwy., Muncho Lake, 59° 09.577' N and 125° 53.319' W, *Ch3069*; N of Fireside, 59° 41.772' N and 127° 12.992' W, *Ch3071*; E of the Yukon border, 59° 57.818' N and 127° 29.890' W, *Ch3072*. **YK:** Alaska Hwy., Watson Lake, 60° 01.172' N and 128° 34.772' W, *Ch3074*, *Ch3075*; N of Dawson Peaks, 60° 26.671' N and 133° 36.476' W, *Ch3076*, *Ch3077*; Top of the World Hwy., W of 60 Mile Rd., W of kp 86, E of Boundary, 64° 06.929' N and 140° 43.409' W, *Ch3133*; Dawson Bonanza Creek, gold panning site 6, *Ch3134*; Dawson, dome overview, *Ch3135*; South Canol Road, Quiet Lake, 60° 59.475' N and 133° 01.678' W, *Ch3148*; Whitehorse, Miles Canyon, 60° 39.681' N and 135° 01.750' W, *Ch3151*, *Ch3152*.

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#### REFERENCES

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